

Analytical Data Sheet

Lot number **1000005899**
not for drug use

Catalog number **E-1905.0050**
Product number **4001646.0050**
Product **H- Glu(OMe) - OMe · HCl**
Molecular formula $C_7H_{13}NO_4 \cdot HCl$
Relative molecular mass 211.65

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.05% H-Glu(OMe)-OH · HCl < 0.05% H-Glu-OMe · HCl < 0.05% H-Glu-OH · HCl
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	< 0.10% D-Enantiomer
Assay (elemental analysis)	98.5% (Cth 39.73%, Cfd 39.12%)
Water content (KF volumetric)	1.4%
Residual organic solvents (GC)	acetone det. (LOQ 96 mg/kg, LOD 29 mg/kg) methanol not det. (LOQ 82 mg/kg, LOD 25 mg/kg) dimethylformamide not det. (LOQ 44 mg/kg, LOD 13 mg/kg)
Chloride content (titration)	16.4%

Latest update: September 13, 2018

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